(No Model.)

T. M. GALLAHER.

MINING IMPLEMENT.

No. 252,206. Patented Jan. 10, 1882.

Fig. 1.

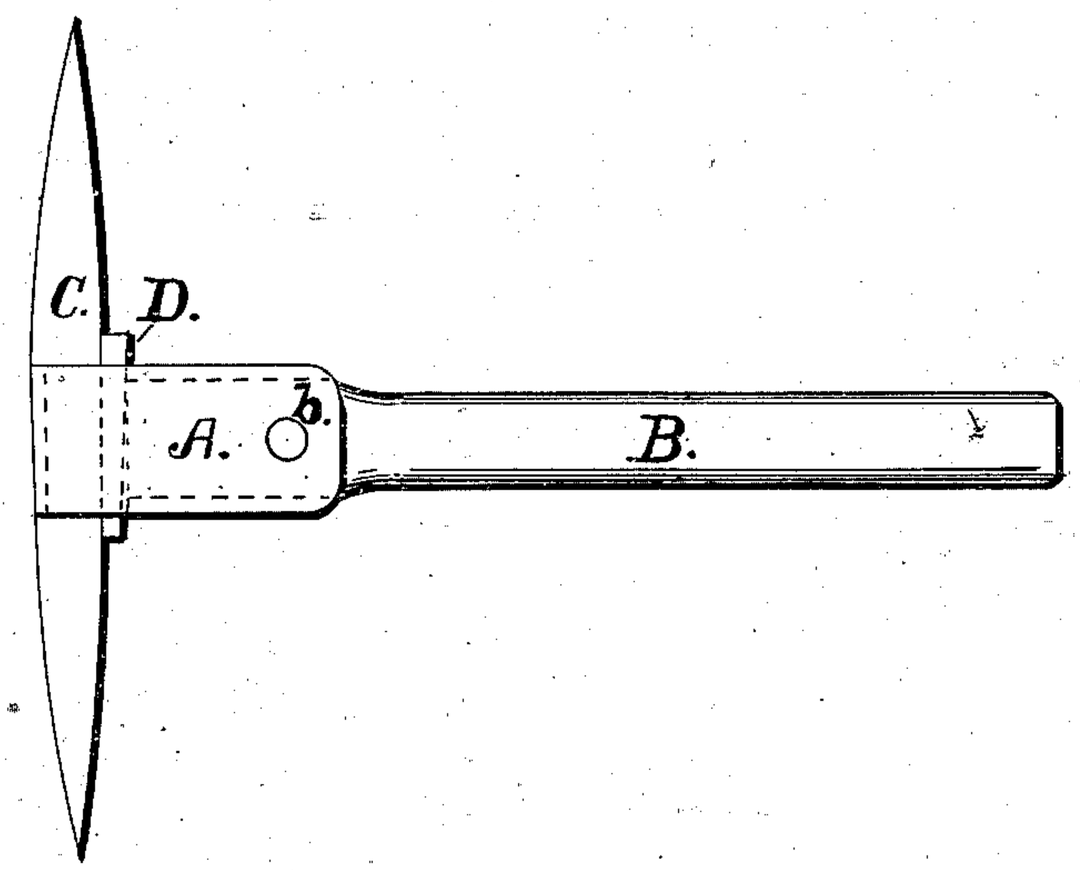


Fig. 2.

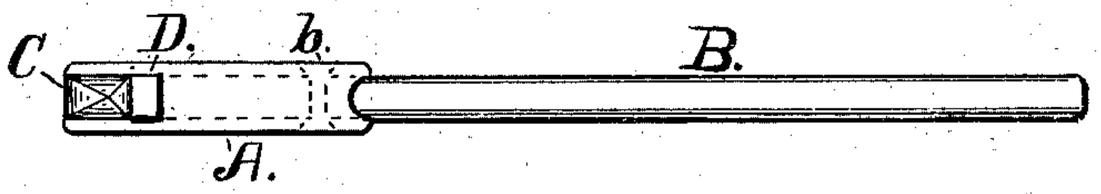
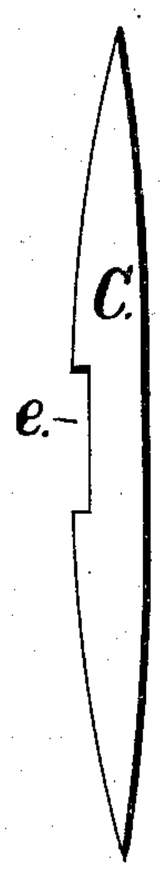


Fig. 3.



WITNESSES.

Geo. K. Storm.

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UNITED STATES PATENT OFFICE.

THOMAS M. GALLAHER, OF BELMONT COUNTY, OHIO.

MINING IMPLEMENT.

SPECIFICATION forming part of Letters Patent No. 252,206, dated January 10, 1882.

Application filed October 29, 1881. (No model.)

To all whom it may concern:

Be it known that I, THOMAS M. GALLAHER, a resident of the county of Belmont and State of Ohio, (address Shield's P. O.,) have invented certain new and useful Improvements in Mining Implements; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates specially to that class of mining-tools known as "coal-mining picks;" and it consists of certain improvements in the construction of the same, hereinafter more fully explained in detail, whereby the pick-blade is readily detached from the handle, thus obviating the necessity of having a separate handle for each pick, as is the case with the hand-picks in general use.

In the drawings, Figure 1 is a side view of my improved hand-pick; Fig. 2, an edge view; Fig. 3, view of the pick-blade detached from the handle.

Like letters of reference refer to like parts.

The letter A represents a handle-socket and pick-eye combined, made preferably of cast metal, having an opening lengthwise in one end for the reception of the handle, and provided with another opening or eye, near the opposite end crosswise with the handle, for the reception of the pick-blade.

B is the handle, not unlike those in general use, and is securely fastened in the socket with a small rivet, *b*, or threaded bolt.

C is the pick-blade, which is simply a flat bar, preferably of malleable steel, made tapering to a point at each end, and having a square-cornered notch, *e*, cut out of one edge in the center of its length, for the purpose of preventing the blade slipping out of the eye when it is wedged into position for service.

D is a tapering or wedge-shaped key, used to fasten the pick-blade in the eye of the handle. When it is required to remove the pick-blade all that is necessary to do is to draw out the key, and the blade can readily be detached.

A hand pick made in this manner possesses several advantages over the old style.

First, the pick-blade can be made entirely of steel without incurring great expense, and thus secure greater strength and rigidity not found in a pick-blade made of iron and steel combined.

Second, the blade being readily detachable from the handle obviates the necessity of having a handle in each pick, thus effecting a great saving in the number of handles required in a kit of tools and also the labor of carrying them to and fro from the mines. An additional advantage is found in having the pick-blade detached from the handle during the operation of repointing the blades, and the liability of injury from fire, and the consequent shrinkage of the handle in the eye, are removed.

Third, strength and durability are combined with cheapness in construction.

Having described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

The combination, with the head A, having a handle-socket, of a pick-blade having a recess, *e*, the ends of which bear on the ends of the head and prevent displacement in the direction of the length of the blade, and a wedge-key, D.

In testimony that I claim the foregoing as my own I hereunto affix my signature in presence of two witnesses.

THOMAS M. GALLAHER.

Witnesses:

GEO. K. STORM,

E. B. HOWARD.